

**REMARKS**

Favorable reconsideration and allowance of the present application are respectfully requested in view of the following remarks. Claims 1-18 were pending prior to the Office Action. Claims 19-33 have been added through this Reply. Therefore, claims 1-33 are pending. Claims 1, 7, 12, 20, and 27 are independent.

**§ 112, 2ND PARAGRAPH REJECTION**

Claims 1-6, 14, and 18 stand rejected under 35 U.S.C. § 112, second paragraph, as allegedly being indefinite. To address these rejections, claim 1 has been amended to clarify the term "conversion". Also, claim 12 has been amended to recite "inverse multiplexing unit" so that antecedent basis issues of claims 14 and 18 are addressed.

Also, the claims have been amended to address informalities such as other antecedent basis issues and to put the claims in better form for examination.

Applicants respectfully request that the § 112, second paragraph rejection of claims 1-6, 14, and 18 be withdrawn.

§ 102 REJECTION – MAO

Claims 1-3, 6-8, 12, and 14-17 stand rejected under 35 U.S.C. § 102(e) as allegedly being anticipated by Mao, et al. (Publication 2003/0115612, hereinafter “Mao”). Applicants respectfully traverse.

For a Section 102 rejection to be proper, the cited reference must teach or suggest each and every claimed element. *See M.P.E.P. 2131; M.P.E.P. 706.02*. Thus, if the cited reference fails to teach or suggest one or more elements, then the rejection is improper and must be withdrawn.

In this instance, Mao fails to teach or suggest each and every claimed element. For example, independent claim 1 recites, in part, “checking whether or not the data contents to be displayed are consistent with the current A/V signal.” Independent claims 7 and 12 also recite a similar feature. As will be demonstrated below, Mao cannot be relied upon to teach or suggest at least this feature.

Mao is directed toward displaying web pages along with MPEG-2 video information on a digital TV. Mao discloses that the Internet HTML web page data is formatted to fit within standard MPEG-2 data packet structure, and multiplexed along with other MPEG-2 digital video signals for transport within a multiple channel digital video system. *See paragraph 0019*. Mao also discloses that two types of web pages are carried along with the digital video channels. One type is a Broadcast Web page, which are of general interest to

all viewers. The other type is a Simulcast Web page that is related to the contents of the current broadcast video program and is of interest primarily to those viewing the related broadcast video program. *See paragraph 0020.* As such, only the Simulcast Web pages are related to (or correspond to) the current channel being viewed. Mao goes on to disclose that the Simulcast Web pages information is contained in the HEIT table. *See paragraph 0021.* To view a Simulcast Web page such as [HTTP://www.toyota.com](http://www.toyota.com), for example during a Toyota commercial, the HEIT table is used to find the MPEG-2 data packet corresponding to the Toyota web page. *See paragraph 0028.*

On the other hand, Mao discloses that the Broadcast Web page information is contained in the HPMT table. *See paragraph 0021.* To view a Broadcast Web site, such as the [HTTP://www.NYTimes.com](http://www.NYTimes.com), the HPMT table is used to locate the MPEG-2 data packet corresponding to the New York Times web page. *See paragraph 0025.*

It is important to note the following. Mao discloses that a user may either select a Broadcast Web page to be displayed or a Simulcast Web page to be displayed. When the user selects a Broadcast Web page, it is clear that there is no correspondence between the Broadcast Web page and the currently viewed program. Therefore, there is no need to check whether or not the data contents

to be displayed, that is the Broadcast Web page, are consistent with the current audio/visual signals.

With regard to selecting a Simulcast Web page, it should be noted that the list of Simulcast Web pages available to be selected is purely dependent on the currently viewed program. Mao discloses that the content of the HEIT table is *synchronized* to the broadcast video program. *See paragraph 0028*. In other words, the HEIT table, which contain information related to Simulcast Web pages, is synchronized to the currently viewed program. Indeed, Mao further discloses that the available Simulcast Web pages are changed whenever the corresponding broadcast video program changes. *See paragraph 0029*. Because the list of available Simulcast Web pages is purely dependent on the currently viewed program, there is simply no need to check whether or not the data contents to be displayed, namely the Simulcast Web pages, are consistent with the current A/V signal. Indeed, Mao is entirely silent regarding checking for consistency whatsoever.

In the Office Action, the Examiner asserts that paragraphs 0026-0033 disclose this feature. *See Office Action, page 3, Item 3*. However, as clearly demonstrated above, Mao is silent regarding this feature. In fact, Mao actually teaches away from this feature to the extent that the user is allowed to select a Broadcast Web page, which has no relationship whatsoever with the currently viewed program, to be displayed.

For at least the above stated reasons, independent claims 1, 7, and 12 are distinguishable over Mao. Claims 2-3, 6, 8, and 14-17 depend from independent claims 1, 7, and 12 directly or indirectly. Therefore, for at least the reasons stated with respect to the independent claims or on their own merit, these dependent claims are also distinguishable over Mao.

Applicants respectfully request that the rejection of claims 1-3, 6-8, 12, and 14-17 based on Mao, be withdrawn.

§ 103 REJECTION – MAO, KAPLAN

Claims 4, 5, and 18 stand rejected under 35 U.S.C. § 103(a) as allegedly being unpatentable over Mao in view of Kaplan (USP 6,058,430). Applicants respectfully traverse.

Claims 4, 5, and 18 depend from independent claims 1 and 12. It has been shown above that claims 1 and 12 are distinguishable over Mao. Kaplan has not been, and indeed cannot be, relied upon to correct for at least the above noted deficiency of Mao. Therefore, claims 1 and 12 are distinguishable over the combination of Mao and Kaplan.

For at least due to the dependency thereon, claims 4, 5, and 18 are distinguishable over the combination of Mao and Kaplan.

Applicants respectfully request that the rejection of claims 4, 5 and 18 based on Mao and Kaplan, be withdrawn..

§ 103 REJECTION – MAO, KAPLAN

Claims 9, 10, and 13 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Mao. Applicants respectfully traverse.

Claims 9, 10, and 13 depend from independent claims 7 and 12. It has been shown above that claims 7 and 12 are distinguishable over Mao. Therefore, for at least due to the dependency on claims 7 and 12, claims 9, 10, and 13, are also distinguishable over Mao.

Applicants respectfully request that the rejections of claims 9, 10, and 13 based on Mao, be withdrawn.

§ 103 REJECTION – MAO, SHOFF

Claim 11 stands rejected under 35 U.S.C. § 103(a) as allegedly being unpatentable over Mao in view of Shoff (USP 6,240,555). Applicants respectfully traverse.

Claim 11 depends from independent claim 7, and it has been shown above that claim 7 is distinguishable over Mao. Shoff has not been, and indeed cannot be, relied upon to teach at least the above noted deficiencies of Mao. Therefore, claim 7 is also distinguishable over the combination of Mao and Shoff.

For at least due to its dependency on claim 7, claim 11 is also distinguishable over the combination of Mao and Shoff.

Applicants respectfully request that the rejection of claim 11 based on Mao and Shoff, be withdrawn.

**NEW CLAIMS**

Claims 19-33 have been added through this Reply. All new claims are believed to be distinguishable over the cited references, individually or in any combination.

Applicants respectfully request that the new claims 19-33 be allowed.

**CONCLUSION**

All objections and rejections raised in the Office Action having been addressed, it is respectfully submitted that the present application is in condition for allowance. Should there be any outstanding matters that need to be resolved, the Examiner is respectfully requested to contact the undersigned to conduct an interview in an effort to expedite prosecution in connection with the present application.

U.S. Application No. 09/709,303

Docket No. 0630-1175P

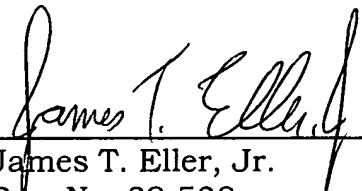
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If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. §§ 1.16 or 1.17; particularly, extension of time fees.

Respectfully submitted,

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